Cause Map[™] **Collapse of Big Blue**



CAUSE MAPPING - 3 STEPS



What	Problem(s)	3 Fatalities from Collapse of Big Blue Crane				
When	Date	July 14, 1999				
	Time	apprx 5.15pm				
	Different, unusual, unique	High Wind Conditions, Behind on Project				
Where	Facility, site	Milwaukee Brewers Baseball Stadium				
	Unit, area, equipment	"Big Blue" Lampson Transi-Lift 1500 series crane				
	Task being performed	lifting roof sections into place				



281-489-2905 fax

Impact to each GOAL

Step

1

Callery	3 Fatalties & 5 Injuries			
Environment				
Customer				
	(7 week trial, \$94 Million was punitive damages) Prime Contractor found to be 97% liable for damages		\$99,254,000 \$539,000 Big ?	
_egal Costs	20 OSHA Citations			
	Cost for all Attorneys & Support Personnel			
roduction, Schedule	1 year delay to construction project			
Property, Equipment	Repairs to areas impacted by truss & crane		\$100,000,000	
_abor, Time				
Step 2	Cause Map™ Analysis	Personne monitor guidin	el were ring & ig lift	

OSHA Finding; Exceeded the number required for the work being performed. Reduce number of people at risk AND



Ref.	Possible Solution	Cause Controlled	Work Process (process to be improved)	Implement? (yes or no)	No.	Specific Actions (specific actions to be taken)	Owners (names)	Due Date	Measurable (how will we verify completion and effectiveness)	Status

